EN

Tap On Pro
Heart Rate Monitor
Model: SE188
USER MANUAL

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INTRODUCTION

Thank you for selecting the Oregon Scientific™ Tap On Pro Heart Rate Monitor (SE188) watch as your sports fitness product of choice. This device includes the following features:

- Heart rate monitor with cordless transmission between watch and chest belt.
- Digital coding system to reduce environmental interference.
- Heart rate monitoring system when you go above or below your upper and lower heart rate limit.
- Visual or sound alert for heart rate thresholds during training.
- Memory stores heart rate figures during exercise.
- SMART TRAINING PROGRAM enables you to complete exercise cycles effectively.
- Tap on lens to conveniently view exercise data.
- Calorie consumption and percent fat burn display during and after exercise.
- Exercise profile - to calculate your personal heart rate limit for training.
- User profile - to calculate your fitness index and body mass index (BMI).
- Stopwatch.
- 99 lap memory storage showing average heart rate and maximum heart rate.
- Dual alarms with a choice of daily, weekday or weekend settings.
- Mounting bracket, chest belt and carrying case included.
- Watch - up to 50 metres water resistant.
- Chest belt - splash proof.

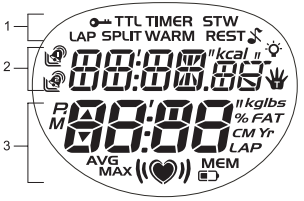
IMPORTANT The use of the SE188 watch is for sport purposes only and it is not meant to replace any medical device.

KEY FEATURES

WATCH

1. **MEM / LAP / -** : Display training records; decrease setting value; mark a lap.
2. **MODE:** Switch to another display.
3. **ST / SP / +**: Start / stop timer; increase setting value.
4. ☼ / 🔑 : Turn on backlight for 3 seconds; lock / unlock the keypad.
5. **SET**: Enter Setting Mode; select another setting option; display different information during training; reset timer / stopwatch.

LCD DISPLAY



1. Area 1
2. Area 2
3. Area 3

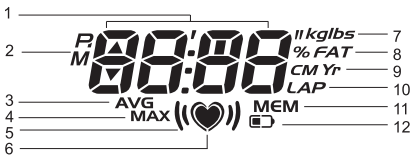
Area 1

1. **TIMER**: Smart Training Program is shown or running.
2. **TTL**: Total exercise time is displayed.
3. 🔑: Keypad lock is enabled.
4. **LAP**: Shows current lap time or memory lap time.
5. **SPLIT**: Shows and calculates split time.
6. **WARM**: Warm-up timer is shown or running.
7. **STW**: Stopwatch is shown or running.
8. 🔕: Keypad tone is disabled.
9. **REST**: Recovery timer is shown or running.

Area 2

1. MM:DD or DD: MM and day of the week; stopwatch time.
2. / : Alarm 1 and 2; waves show when alarm is activated.
3. : Cursor highlights the selected alarm in Alarm Mode.
4. **kcal**: Calorie unit.
5. : Light Mode is enabled.
6. : Tap on lens is enabled.

Area 3



1. Time - HH:MM.
2. **AM/PM**: Appears when the 12-hour clock / alarm is being used.
3. **AVG**: Average heart rate is displayed.
4. **MAX**: Maximum heart rate is displayed.
5. : Heart rate is above or below limit; sound alert is activated.
6. : Flashes when receiving heart rate signal.
7. **kglbs**: Body weight unit.
8. **% FAT**: Percentage of fat burn.
9. **CM Yr**: Height unit; year of user's birth.
10. **LAP**: Take lap; lap number.
11. **MEM**: Stopwatch or timer memory is shown.
12. : Battery status.

GETTING STARTED

UNPACKING THE WATCH

When you unpack your watch, make sure to keep all the packing materials in a safe place, in case you need to later transport or return the product for servicing.

In this box, you will find:

- Watch
- Heart rate chest belt
- Mounting bracket
- Carry case
- 2 x CR2032 lithium batteries - already installed

TURNING ON THE WATCH (FIRST-TIME USE ONLY)

Press any key for 2 seconds to activate the LCD display.

SETTING THE KEYPAD TONE / LIGHT MODE / TAP ON LENS

You can set the watch to have the:

- Keypad "Beep" tone ON or OFF.

- Light Mode ON or OFF - see “Activating the Backlight” section.

- Tap On Lens ON or OFF- see “Tap On Lens” section.

To set these features:

1. Press **MODE** to navigate to the Real-Time Clock Mode.

2. Press **SET** repeatedly until you reach the feature you wish to change.
3. Press **ST / SP / +** or **MEM / LAP / -** to change the setting.
4. Press **SET** to confirm the setting and move on to the next one.

ACTIVATING THE BACKLIGHT

When the Light Mode is set to OFF:

- Press to turn on the backlight for 3 seconds. Press any other key whilst the light is on and it will extend the light time by another 3 seconds.

When the Light Mode is set to ON:

- Press any key to turn ON or extend the backlight for 3 seconds.

To help conserve power the Light Mode ON setting will automatically switch to OFF after 2 hours.

NOTE The backlight does not work when the low battery icon is shown and will return to normal once the batteries are replaced.

ACTIVATING THE KEYPAD LOCK

To turn the keypad lock ON or OFF:

- Press and hold for 2 seconds. will appear on the display when the keypad lock is on.

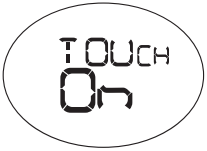
TAP ON LENS

The tap on lens feature gives you easy access to 1 of 6 preset modes:

- Heart rate (HR)
- Stopwatch (STW)
- Smart Training Program (SMART)
- Calorie measurement (CAL)
- Lap timer (LAP)
- Time

To set the tap on lens preset mode:

1. In clock mode, press **SET** repeatedly until you reach the tap on lens "ON" display.



2. Press and hold **SET** to enter the preset modes selection.
3. Press **ST / SP / +** or **MEM / LAP / -** to select the preset mode.
4. Press **SET** to confirm.

To use the tap on lens:
Simply tap on the lens and your preset mode will display for 10 seconds before returning to the previous screen.

appears when the tap on lens is activated and flashes when the preset display is shown.

SWITCHING BETWEEN OPERATION MODES

Press **MODE** to switch between the 5 operation modes:

- Real-Time Clock
- Alarm Clock
- User Profile / Exercise Profile
- Timer - SMART TRAINING PROGRAM
- Stopwatch

The modes are described in the sections that follow.

NOTE You can run the SMART TRAINING PROGRAM or stopwatch in the background as you access other modes. The icon for the mode that is running will flash until you switch back to that mode.

USING THE CLOCK

The real-time clock is the default display for the watch.
To set the real-time clock:

1. Press **MODE** to switch to Real-Time Clock Mode.

2. Press and hold **SET** until the first setting flashes.

3. Press **ST / SP / +** or **MEM / LAP / -** to change the setting. Hold to speed through the options. Press **SET** to confirm the setting and move on to the next one.
4. Repeat step 3 to change other settings for this mode.

The order of the real-time clock settings is:

- 12 / 24 hour clock format
- Hour
- Minute
- Year
- DD:MM or MM:DD date format
- Month
- Day

NOTE The clock is programmed with a 50-year auto-calendar, which means you do not need to reset the days of the week and dates each month.

USING THE ALARM(S)

SETTING THE ALARM(S)

Your watch has 2 alarms that can be set to activate daily (Mon-Sun), on a weekday (Mon-Fri), or on a weekend (Sat / Sun).

To set alarm 1 or alarm 2:

1. Press **MODE** to navigate to Alarm Clock Mode.

2. Press **SET** to move the cursor to select alarm 1 or alarm 2 and **ST / SP / +** or **MEM / LAP / -** to activate or deactivate the alarm.
3. Press and hold **SET** to enter the setting mode for the chosen alarm.

4. Press **ST / SP / +** or **MEM / LAP / -** to change the setting. Hold to speed through the options. Press **SET** to confirm the setting and move on to the next one.
5. Repeat step 4 to change other settings for this mode.
6. The alarm will automatically be activated once you have finished setting the alarm time.

The order of the alarm clock settings is:

- Select daily, weekday or weekend alarm
- Hour
- Minute

TURNING THE ALARM SOUND OFF

Press any key to turn the alarm sound off. The alarm will automatically reset itself unless you deactivate it.

ACTIVATING / DEACTIVATING THE ALARM

1. Press **MODE** to navigate to Alarm Clock Mode.
2. Press **SET** to move to the cursor to select alarm 1 or 2.
3. Press **ST / SP / +** or **MEM / LAP / -** to activate or deactivate the alarm.

EXERCISE PROFILE

To calculate your minimum and maximum heart rate you need to set the exercise profile.

Different activities exercise the body in different ways and help you to achieve a variety of fitness goals. To accommodate this the exercise profile can be set to suit different exercise activities. For example, if you are running, your exercise profile settings are likely to differ from those you would use when undertaking a weight training activity.

Also, the time you require to warm-up and complete an exercise will vary. That is why you can change the warm-up and exercise countdown time to suit you.

To set the exercise profile:

1. Press **MODE** to navigate to Exercise Profile Mode.

If this screen appears, press **SET** to navigate to the Exercise Profile Mode.

2. Press **SET** to navigate to 1 of the 3 exercise profiles.
3. Press and hold **SET** until the first setting flashes.
4. Press **ST / SP /** + or **MEM / LAP / -** to change the setting. Hold to speed through the options. Press **SET** to confirm the setting and move on to the next one.
5. Repeat step 4 to change other settings for this mode.

The order of the exercise profile settings is:

- Target activity - 0 to 2
- Lower limit heart rate
- Upper limit heart rate
- Heart rate alert - ON / OFF
- Exercise timer - hour
- Exercise timer - minute

- Warm-up timer - set to 5, 10, 15 to activate or 0 mins to deactivate timer
- Rest timer - ON / OFF

NOTE Once you have set your exercise profile your lower and upper heart rate limit will be set automatically. However, you can manually change your upper and lower heart rate limit if the automatic setting does not suit you. If you change the target activity level, your upper / lower and maximum heart rate will automatically be updated.

TARGET ACTIVITY

There are 3 target activity levels:

TARGET ACTIVITY		MHR%	DESCRIPTION
0	Health Maintenance	65-78%	This is the lowest training intensity level. It is good for beginners and those who want to strengthen their cardiovascular systems.
1	Aerobic Exercise	65-85%	Increases strength and endurance. It works within the body's oxygen intake capability, burns more calories, and can be maintained for a long period of time.
2	Anaerobic Exercise	78-90%	Generates speed and power. It works at or above the body's oxygen intake capability, builds muscle,and cannot be maintained for a long period of time.

MAXIMUM / LOWER / UPPER HEART RATE LIMIT

Before you begin any exercise program and to achieve maximum health benefits from your workout, it is important to know your:

- Maximum heart rate (MHR)
- Lower heart rate limit
- Upper heart rate limit

To manually calculate your own heart rate limits, follow the instructions below:

MHR	LOWER LIMIT	UPPER LIMIT
MHR = 220 - age	MHR x lower target activity %. E.g. Target activity is 0. Lower Limit = MHR x 65%	MHR x upper target activity %. E.g. Target activity is 0. Upper Limit = MHR x 78%

HEART RATE ALERT

You can set the heart rate alert in the exercise profile to the following settings:

ICON	DESCRIPTION
♥	Heart rate sound alert is OFF
(♥)	Heart rate sound alert is ON • 1 beep means you have gone below your lower zone limit • 2 beeps means you have gone above your upper zone limit

When the heart rate alert is activated, a flashing down or up arrow will appear on the display to show which heart rate limit you have surpassed.

USER PROFILE

To access the full benefits of the watch, set up your user profile before you exercise. This will automatically generate a fitness index and body mass index (BMI). These calculations along with the calorie and fat % burned will help you track your progress over time.

To set the user profile:

1. Press **MODE** to navigate to User Profile Mode.

If this screen appears, press **SET** repeatedly to navigate to the User Profile Mode.

2. Press and hold **SET** until the first setting flashes.

3. Press **ST / SP / +** or **MEM / LAP / -** to change the setting. Hold to speed through the options. Press **SET** to confirm the setting and move on to the next one.
4. Repeat step 3 to change other settings for this mode.

The order of the user profile settings is:

- Sex
- Year of birth
- Month of birth
- Day of birth
- Weight unit - lbs or kg
- Weight
- Height unit - ft or cm
- Height
- Activity level - 0-2

Once you complete your user profile, a fitness index and body mass index is automatically calculated and displayed for you. Refer to the “About the Fitness / Body Mass Index” section for further information.

NOTE You can display and adjust your user profile at any time.

NOTE You must set up your user profile to use the calorie count and fat burn features.

ACTIVITY LEVEL

The activity level is based on your own self-assessment of the amount of exercise you regularly perform.

ACTIVITY LEVEL	DESCRIPTION
0	Low - You do not usually participate in programmed recreation sports or exercise.
1	Medium - You are engaged in modest physical activity (such as golfing, horseback riding, table tennis, callisthenics, bowling, weight lifting or gymnastics) 2-3 times a week, totalling 1 hour per week.
2	High - You actively and regularly participate in heavy physical exercise (such as running, jogging, swimming, cycling, or skipping rope) or engage in vigorous aerobic exercise (such as tennis, basketball or handball).

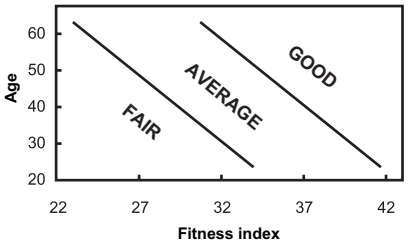
ABOUT THE FITNESS / BODY MASS INDEX

FITNESS INDEX

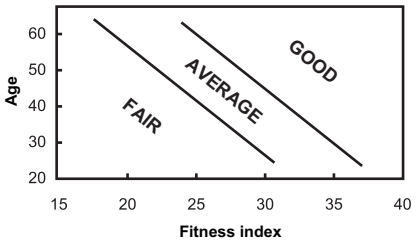
Your watch will generate a fitness index based on your aerobic fitness. This index is dependent and limited by the body’s ability to deliver oxygen to the working muscles in training. It is often measured by maximum oxygen uptake (VO2 Max), which is defined as the highest amount of oxygen that can be utilized when exercising at an increasingly demanding level. The lungs, heart, blood, circulatory system, and working muscles are all factors to determine VO2 Max. The unit of VO2 Max is ml/kg min.

The higher the index, the fitter you are. See the tables below for a rough guide to what your fitness index means:

FITNESS INDEX FOR MAN



FITNESS INDEX FOR WOMAN



BODY MASS INDEX

Your body mass index is a measurement of the relative percentages of fat and muscle mass in the human body.

HEALTH INDICATION	BMI RANGE	DESCRIPTION
Underweight	Less than 20.0	Your body weight is currently lower than average. Work toward healthy, regular food intake and exercise routine to build up your health to recommended levels.
Recommended	20.0 to 25.0	Your health is at the recommended level. Maintain a balanced diet and exercise to keep your current level of health.
Overweight	25.1 to 29.9	Your body weight may be above normal. Increase your exercise and work out a diet plan to lower your risk for serious illness.
Obese	30.0 or greater	At this level, you may be at risk for heart disease, high blood pressure, and other illnesses. Consult with your doctor to develop a proper health and fitness plan.

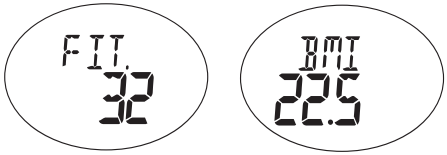
NOTE BMI should not be used as a guideline for health risks for the following groups:

GROUP	REASON
Children and teenagers	BMI ranges are only based on adult heights.
Athletes and body builders	BMI does not differentiate between fat and muscle, thus making it inaccurate for persons with high muscle volumes.
Pregnant or nursing women	This group generates naturally high fat reserves as part of the pregnancy.
People over the age of 65	Fat reserves naturally tend to be higher with older persons.

NOTE The above BMI information is based on an average Caucasian physique.

VIEW FITNESS / BODY MASS INDEX

Press **MODE** to navigate to the User Profile Mode. Then, press **MEM / LAP / -** to display your fitness and body mass index.



NOTE If you have not completed your user profile, these will not display and "- -" will show on the display.

WEARING THE CHEST BELT AND WATCH

CHEST BELT

The heart rate chest belt is used to count your heartbeat and transmit the data to the watch. To wear the chest belt:

1. Wet the conductive pads on the underside of the chest belt with a few drops of water or a conductive gel to ensure solid contact.
2. Strap the heart rate chest belt across your chest. To ensure an accurate heart rate signal, adjust the strap until the belt sits snugly below your pectoral muscles.

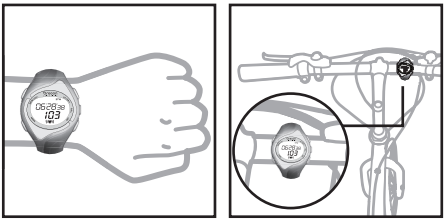
TIPS

- The position of the chest belt affects its performance. Move the chest belt along the strap so that it falls above your heart.
- Avoid areas with dense chest hair.
- In dry, cold climates, it may take several minutes for the chest belt to function steadily. This is normal and should improve with several minutes of exercise.
- To maintain the best performance of your chest belt, please handle it with care according to the following:
  - Do not wrap the chest belt in a wet towel nor with other wet materials.
  - Do not store the chest belt in a hot (about 50°C) and humid (about 90%) environment.
  - Do not place or wash the chest belt under running water, instead clean it with a wet cloth.
  - Do not place the conductive rubber face down on a metal table or surface.
  - Properly dry the chest belt immediately after use.

NOTE If the watch is kept idle without receiving a heart rate signal for 5 minutes, the Heart Rate Mode will quit and return to Clock Mode.

WATCH

You can wear the receiver watch on your wrist or strap it to a bike or exercise machine, as shown below.



TRANSMISSION SIGNAL

The heart rate chest belt and watch have a maximum transmission range of about 62.5 centimetres (25 inches). They are equipped with the latest digital coding system to reduce signal interference from the environment, as well as analog technology. For more accurate readings use the digital transmission signal. You should only switch to the analog transmission signal if the situation in point 2 occurs (see below). Your watch will advise you which system it is using and the signal status by displaying the following icons:

NOTE Whenever the watch is searching for the chest belt signal (manual or automatic search), make sure that the chest belt is no further than 10 cm (4 inches) from the watch.

ICON	DESCRIPTION
Outside heart is flashing	Searching for a signal
Inside heart is flashing	A signal has been found and the digital system is being used
Heart is flashing	A signal has been found and the analog system is being used
♥ / ♡	No signal has been found

NOTE To switch from digital to analog or analog to digital system, press the chest belt button for more than 4 seconds and then force a signal search.

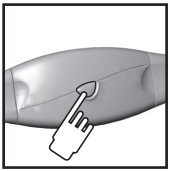
IMPORTANT If the heart icon does not appear on the display or is not flashing because no signal has been found, force a signal search. See “Signal Search” section on how to do this.

In the event that you experience a weak signal or your signal is disrupted by interference in the environment, follow the instructions below to identify and resolve the situation.

1. The signal is weak - the watch heart rate monitor will only show “0”:
   - Shorten the distance between the heart rate chest belt and watch.
   - Re-adjust the position of the heart rate chest belt.
   - Check the conductive pads are moist enough to ensure solid contact.

- Check the batteries. If they are low or exhausted, the transmission range may be shortened.
- Force a signal search (see “Signal Search” section).

2. The gym equipment does not seem to work with your chest belt and the digital icon ♡ is displayed:
   - Most gym equipment is compatible with the analog system ♥. Press and hold the chest belt button for more than 4 seconds to change from digital to analog. Then force a signal search (see “Signal Search” section).



3. Interference from another person’s heart rate monitor - their heart rate readings appear on your watch, or the heart rate monitor shows “0”:
   - Press the chest belt button to get the watch to receive your chest belt signal. Do not press and hold the chest belt button, as it will change the transmission signal from digital to analog.
4. The signal is jammed - the heart rate reading on your watch is flashing:
   - There is too much interference in the environment for your heart rate monitor to function. Move to an area where the heart rate reading stops flashing.

WARNING Signal interference in the environment can be caused by electromagnetic disturbances. These may occur near high voltage power lines, traffic lights, overhead lines of electric railways, electric bus lines or trams, televisions, car motors, bike computers, some motor driven exercise equipment, cellular phones or when you walk through electric security gates. Under interference, the heart rate reading may become unstable and inaccurate.

SIGNAL SEARCH

To force a signal search:

1. Press **MODE** to navigate to the SMART TRAINING PROGRAM or Stopwatch Mode.
2. Press and hold **MODE** for 2 seconds. The signal-searching icon with the outside flashing will appear to confirm a signal search is taking place. Whenever the watch is searching for the chest belt signal make sure that the chest belt is no further than 10 cm (4 inches) from the watch.

The signal search will take approximately 10 seconds. If after 10 seconds the heart icon is not flashing, then your signal search has been unsuccessful and you need to force another signal search.

See the table in the “Transmission Signal” section for more signal status information.

ABOUT THE SMART TRAINING PROGRAM

The SMART TRAINING PROGRAM enables you to complete exercise cycles effectively. It will guide you through from a 5-minute warm up (default setting), to the end of your exercise program. In addition to monitoring your heart rate

and alerting you whenever you fall out of the range for the selected training zone, the Program allows you to check the calories consumed and the percentage of fat burned.

USING THE SMART TRAINING PROGRAM

The SMART TRAINING PROGRAM monitors your exercise performance once you have entered your user profile and exercise profile.

NOTE You cannot use the SMART TRAINING PROGRAM if you are running the stopwatch.

To enter the SMART TRAINING PROGRAM:

1. Press **MODE** to navigate to Timer Mode.

2. Press and hold **SET**. Press **ST / SP / +** or **MEM / LAP / -** to select 1 of the 3 exercise profiles. Press **SET** to confirm and enter the SMART TRAINING PROGRAM.

3. To start or stop the warm-up, exercise or rest countdown timer, press **ST / SP / +**.
4. To bypass a countdown timer and move onto the next one, press and hold **ST / SP / +**.
5. To reset the timer, press and hold **SET**.

The order of the Timer Mode is:

- Warm-up time
  - The warm-up will not display if it has been set to “0” in the exercise profile.
- Exercise time -The exercise time is set in the exercise profile.
- Rest time
  - The rest time is automatically set to 3 mins and cannot be changed. When the timer reaches “0”, the recovery heart rate will appear.
  - The rest time will not display if it has been set to “OFF” in the exercise profile.

VIEW DATA WHILE SMART TRAINING PROGRAM IS RUNNING

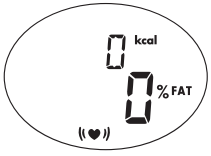
During warm-up, exercise or rest time countdown, press **SET** to view and toggle between the following screen displays:

- Remaining warm-up / exercise / rest time with current heart rate

or

or

- Current calorie and fat burn level



- Clock with current heart rate

VIEW SMART TRAINING PROGRAM MEMORY RECORDS

When the SMART TRAINING PROGRAM has been completed, press **MEM / LAP / -** to view the “total time / maximum heart rate” record, then press **SET** to view the following records:

- Recovery heart rate / average heart rate
- Total calorie and fat burn level
- In zone time: Time spent without exceeding your upper or lower heart rate limit
- Above zone time: Time spent exceeding your upper heart rate limit
- Below zone time: Time spent exceeding your lower heart rate limit

NOTE You cannot use the stopwatch if you are running the SMART TRAINING PROGRAM.

RECOVERY HEART RATE

Your recovery heart is a good indication of cardiovascular fitness. The faster your heart rate recovers after exercise, the better shape you are in. The watch uses a time-based recovery method, which checks your recovery heart rate 3 minutes after exercise.

Compare your recovery heart rate between exercise sessions to track the effect your exercise is having.

STOPWATCH

The stopwatch function is particularly beneficial to use when you are unsure how long your activity will take, or when you

want to measure the time it takes to complete a task and your performance over that time. You can also take lap and split time readings when using the stopwatch function.

To get the most out of your stopwatch function complete your user and exercise profile. If you have not completed the user profile you will be unable to use the calorie and fat burn function.

Press **MODE** to navigate to Stopwatch Mode. You can now perform the following functions:

TASK	INSTRUCTION
Start stopwatch	Press **ST / SP / +**
Pause / resume stopwatch	Press **ST / SP / +**
Reset	Press and hold **SET**
Save lap	Press **MEM / LAP / -** while the stopwatch is running **NOTE** Up to 99 laps / 99 hrs, 59 mins total can be stored in the memory
Select exercise profile for stopwatch	Reset the stopwatch. Press and hold **SET**

NOTE The stopwatch begins measurement in min: sec:1/100 sec. After 59 minutes pass, the display will change to hrs:min:sec.

VIEW DATA WHILE STOPWATCH / LAP IS RUNNING

While the stopwatch or lap functions are being used, press **SET** to view and toggle between the following screen displays:

- Total time / split time and current heart rate
- Lap time and current heart rate (if enabled)
- Current calorie and fat burn level
- Clock with current heart rate

If the battery is low when taking a lap, this screen will appear and no more laps will be saved.

VIEW STOPWATCH OR LAP MEMORY RECORDS

To view stopwatch records:

1. The stopwatch must be stopped (press **ST / SP / +**).
2. Press **MEM / LAP / -**, then press **SET**.

The stopwatch records will appear in the following order:

- Total time / maximum heart rate
- Total time / average heart rate
- Calories / fat burn total
- In zone time: Time spent without exceeding your upper or lower heart rate limit
- Above zone time: Time spent exceeding your upper heart rate limit
- Below zone time: Time spent exceeding your lower heart rate limit

To view lap records:

1. The stopwatch must be stopped (press **ST / SP / +**).
2. Press **MEM / LAP /** -, then press **ST / SP / +** or **MEM / LAP / -** to select lap.
3. Press **SET** to view lap record.

The lap records will appear in the following order:

- Lap time / maximum heart rate
- Split time / average heart rate
- Calorie and fat burn total - per lap
- In zone time - per lap: Time spent without exceeding your upper or lower heart rate limit
- Above zone time - per lap: Time spent exceeding your upper heart rate limit
- Below zone time - per lap: Time spent exceeding your lower heart rate limit

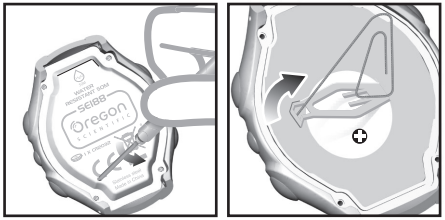
BATTERIES

The SE188 uses two CR2032 lithium batteries, one for the watch and another for the heart rate chest belt. Both are already installed. See the table below for battery warnings.

LOW BATTERY ICON	DESCRIPTION
	The battery is too low to run the backlight
	The chest belt battery is nearly too low to send a signal to the watch

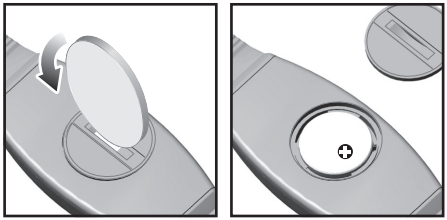
The batteries typically last one year.

To replace the watch battery:



1. Undo the screws and remove the back plate.
2. Using a thin blunt instrument, hook the release catch and lift the clip.
3. Replace the old battery and then the battery clip.
4. Replace the back plate and screws.

To replace the chest belt battery:



1. Using a coin, twist the battery door counter-clockwise until it clicks out of place.

2. Replace the old battery and close the battery door by twisting it clockwise until it is firmly in place.

IMPORTANT

- Remember to set the profiles after every battery replacement or reset.

TRAINING INFORMATION

HOW THE HEART RATE MONITOR HELPS YOU

A heart rate monitor is the most important tool in cardiovascular health and an ideal training partner. It enables you to see and monitor results. This helps you assess your past performance, maximise your work out and adapt your future exercise program to achieve your desired goals in a safer and more effective way.

When you exercise, the chest belt picks up your heartbeat and sends it to the watch. Now you can view your heart rate and start monitoring your performance based on your heart rate readings. As you get fitter, your heart will need to do less work and the speed of your heart rate will decrease. The reason for this is as follows:

- Your heart pumps blood to your lungs to obtain oxygen. Then, the oxygen rich blood will travel to your muscles. The oxygen is used as fuel and the blood leaves the muscles and returns to the lungs to begin the process again. As you get fit, your heart is able to pump more blood with every beat. As a result, your heart doesn't have to beat as often to get the necessary oxygen to your muscles.

TRAINING TIPS

To gain the maximum benefit from your training program, and to ensure that you exercise safely, please observe the following guidelines:

- Start with a well-defined training goal, such as to lose weight, keep fit, improve health or compete in a sporting event.
- Select a training activity you enjoy, and vary your training activities to exercise different muscle groups.
- Start slowly, and then gradually step up your work out as you become fitter. Exercise regularly. To maintain a healthy cardio-vascular system, 20-30 minutes three times a week is recommended.
- Always allow at least five minutes before and after exercising for warm-up and cool-down.
- Measure your pulse after training. Then repeat the procedure again after three minutes. If it does not return to its normal resting rate, you may have trained too hard.
- Always check with your doctor before starting a vigorous training program.

AQUATIC AND OUTDOOR ACTIVITIES

The watch is water-resistant up to 50 metres. The chest belt is water-resistant up to 10 metres, but should not be worn for underwater activities, as the heart rate transmission cannot occur under water. Refer to the table for proper use guidelines.

	RAIN SPLASHES, ETC	SHOWERING (WARM / COOL WATER ONLY)	LIGHT SWIMMING / SHALLOW WATER	SHALLOW DIVING / SURFING / WATER SPORTS	SNORKELING / DEEP WATER DIVING
50m / 165ft	OK	OK	OK	NO	NO

When using the watch for aquatic or outdoor sports activities, observe the following guidelines:

- Rinse with water and mild soap after use.
- Do not use in hot water.

NOTE

- Ensure the buttons and battery compartment are secured and intact before exposing the watch to excessive water.
- Avoid pressing the buttons while in the water or during heavy rainstorms, as this may cause water to enter the watch, leading to malfunction.

SPECIFICATIONS

TYPE	DESCRIPTION
CLOCK	
Time format	12 hr / 24 hr
Date format	DD / MM or MM / DD
Year format	2001-2050 (auto-calendar)
Alarms	Alarms 1 and 2 with daily, weekday or weekend settings
STOPWATCH	
Stopwatch	99:59:59 (HH:MM:SS)
Resolution	1/100sec
Lap counter	99 laps share 99:59:59 (HH:MM:SS)
SMART TRAINING PROGRAM	
Warm-up timer	Set to 5, 10, 15, or 0 mins
Exercise timer	99:59:00 (HH:MM:SS)
Rest timer	3 mins fixed time
PERFORMANCE TRACKING	
Heart rate (HR) alarm	Sound / visual
HR measuring range	30-240 bpm (beats per minute)

Lower HR settable range	30-220 bpm (beats per minute)
Upper HR settable range	80-240 bpm (beats per minute)
Calories calculation	0-9,999 kcal
% fat burning calculation	0-99%
TRANSMISSION	
Range	62.5 cm (25 inches) - may decrease with low battery
WATER RESISTANCE	
Watch	50 metres (not actuating keys)
Chest belt	Splash proof
POWER	
Watch	1 x CR2032 3V lithium battery
Chest belt	1 x CR2032 3V lithium battery
OPERATING ENVIRONMENT	
Operation temperature	-5°C-50°C (23°F-122°F)
Storage temperature	-20°C-60°C (-4°F-140°F)

PRECAUTIONS

To ensure you use your product correctly and safely, read these warnings and the entire user manual before using the product:

- Use a soft, slightly moistened cloth. Do not use abrasive or corrosive cleaning agents, as these may cause damage. Use luke warm water and mild soap to clean the watch and chest belt thoroughly after each training session. Never use the products in hot water or store them when wet.
- Do not bend or stretch the transmitter part of the chest belt.
- Do not subject the product to excessive force, shock, dust, temperature changes, or humidity. Never expose the product to direct sunlight for extended periods. Such treatment may result in malfunction.
- Do not tamper with the internal components. Doing so will terminate the product warranty and may cause damage. The main unit contains no user-serviceable parts.
- Do not scratch hard objects against the LCD display as this may cause damage.
- Take precautions when handling all battery types.
- Remove the batteries whenever you are planning to store the product for a long period of time.
- When replacing batteries, use new batteries as specified in this user manual.
- The product is a precision instrument. Never attempt to take this device apart. Contact the retailer or our customer service department if the product requires servicing.

- Do not touch the exposed electronic circuitry, as there is a danger of electric shock.
- Check all major functions if the device has not been used for a long time. Maintain regular internal testing and cleaning of your device. Have your watch serviced by an approved service center annually.
- When disposing of this product, ensure it is collected separately for special treatment and not as normal household waste.
- Due to printing limitations, the displays shown in this manual may differ from the actual display.
- The contents of this manual may not be reproduced without the permission of the manufacturer.

NOTE The technical specifications for this product and the contents of the user manual are subject to change without notice.

NOTE Features and accessories will not be available in all countries. For more information, please contact your local retailer.

ABOUT OREGON SCIENTIFIC

Visit our website (www.oregonscientific.com) to learn more about Oregon Scientific products. If you're in the US and would like to contact our Customer Care department directly, please visit:
www2.oregonscientific.com/service/support.asp
For international inquiries, please visit:
www2.oregonscientific.com/about/international.asp

EU-DECLARATION OF CONFORMITY

Hereby, Oregon Scientific, declares that this Tap On Pro Heart Rate Monitor (Model: SE188) is in compliance with EMC directive 2004/108/EC. A copy of the signed and dated Declaration of Conformity is available on request via our Oregon Scientific Customer Service.